INDEX

VOLUME 26, 1980

A

A.C. drive technology, recent developments in by E.W.G. Kirk and M.A. Leppard 805
Adam, A.R., and Lee, E.J.B.: BPO national packet-switched service 727
Adams, P.F.: Speech-band data modems 733
Aleksander, I.: Intelligent memories and the silicon chip 324
Alexander, R.J.: Engineers' pay (letter) 147
Allen-Bradley Electronics, and they lived happily ever after... a look at 260
Alternative energy (letter) 119
And they lived happily ever after... a look at Allen-Bradley Electronics 260
Andrews, A.M.: Technical writing — the engineer's masterpiece 471
Andrews, B.: Contemporary displays — a review of optoelectronics technology 465
Antenna design, h.f., current trends in by J.R.T. Paterson 579
Array processing by M.J. Duff 888
A.T.E. at GEC-Marconi by D. Moralee 183
Autowagon rides again? (letter) 693

B

Banks, L.: Sad revolution (letter) 148
Barker, A.J.: Management needs (letter) 294
Barlow, H.M.: Design for repair (letter) 442
Barlow, H.M.: Engineering education (letter) 223
Bat detection by J.D. Pye 376
Battery industry, UK, must build to face new energy needs by A. Rowlett 664
Beech, A.G.: Infinite demand (letter) 793
Bellamy, J., and Elwell, J.R.: Britain's first digital p.a.b.x. grows up 561
Belliss, W.H.A.: Infinite demand (letter) 359
Benham, S.F.: Harmonisation of a.c. motor specifications (letter) 147
Benham, S.F.: Live effect again (letter) 693
Bentley, J.M.: Status of engineers (letter) 358
Berkovitch, I.: What prospects for photovoltaic generators? 631
Birkin, M.S.: The most dangerous profession (letter) 793
BL or Peugeot? (letter) 525
Bondi, Sir Hermann.: Intelligent controls in energy 87
Borley, D.: Digital crosstalk measurement 737
Bourne, A.C.: Harmonisation of a.c. motor specifications (letter) 525
BPO national packet-switched service by A.R. Adam and E.J.B. Lee 727
Britain's young eningeers — their training and education 436
British Aerospace top dogs at this year's air show by S. Rogerson 688
Brockett, J.R.: Investing in an electrical distribution service 404
Brown, J.: Engineering courses in the 1980s 20
Brush bristles with activity by J. Cooper 186
Buick, P.R.: Tanzania/Zanzibar power systems interconnected by submarine cable 225
Burrows, R.W.: Hardware techniques 545

C

Cables in fire-risk situations (letter) 358
Cage, D.G.: BL or Peugeot? (letter) 525
Calderwood, J.H.: Not the half of it! (letter) 625
Carter, C.E.: Nuclear safety (letter) 625
Chivers, G.E.: Women in engineering — a lesson from America 372
Chorley, F.K.: Electronics in defence 73
Civil radio and emergency communication by W. Gosling 566
Civil radio and emergency communication, technology trends in by G.D. Speake 571
Coal to busbar scheme boosts efficiency by L. Holmes 796
Communication by C.A. May 56
Computer modelling of the global climate and its changes by Sir John Mason 158
Computers into the 1980s by M.V. Wilkes 67
Conservation given top billing in US energy programme by L. Holmes 696
Consumer electronics in the 1980s by P.E. Trier 47
Contactors, a.c. block, design developments in by V.J. Yates 398
Control-gear design, high-voltage, a modular approach to by R.P. Gardner 395
Cooper, J.: Brush bristles with activity 186
Corbishley, P., and Hunt, P.G.: Telex-communication 741
Corfield, Sir Kenneth.: Industry's responsibility for engineering design education 637
Coulter, M.: Quality assurance of electrical disbribution products 802
Crew, E.W.: Cables in fire-risk situations (letter) 358
Crew, E.W.: Protection of cables at risk from exposure to fire 229
Crosstalk 32, 33, 34, 35, 53, 55, 77, 85, 94, 96, 143, 144, 222, 293, 438, 523, 860-3
Cryptology, recent trends in by J.A. Gordon 162

D

Daniel, R.: Future development of telecommunication networks 532
Davey, A.B.: Electro-optic applications of liquid crystals 458
Dawidziuk, B.M., and Preston, H.F.: Submarine systems and world telecommunications 583
Design Council chooses its top ten by G. Hadfield 365
Design for repair (letter) 442
Developments in power engineering by R. Hawley 79
Development systems: a new market for instrument companies 102
Digital crosstalk measurement by D. Borley 737
Digital p.a.b.x. grows up, Britain's first by J. Bellamy and J.R. Elwell 561
Digital techniques in t.v. broadcasting by J.O. Drewery 587
Dinorwic a progress report by L. Holmes 362
Don, E.: Thin-film solar cells 894
Double package at Brighton 689
Drewery, J.O.: Digital techniques in t.v. broadcasting 587
Duff, M.J.: Array processing 888
Duffy, M.C.: Railways — are steam-turbine electrics a viable proposition? 898
Dunn, S.C.: Professionalism and social aspects of engineering — the case for independence 647

E

Easterling, C.E.: Engineers' pay (letter) 358
Economics of using a.t.e. by D. Moralee 176
Efficiency doubts (letter) 294
Electrical distribution service, investing in an by J.R. Brockett 404
Electricity development in China by G.T. Shepherd 385
Electricity supply industry, the dissemination of information in the by R.W. Prior 643
Electronic component technology in the 1980s by D.H. Roberts 26
Electronics in defence by F.K. Chorley 73
Electronics services for a regional health authority by D.W. Hill 251
Electro-optic applications of liquid crystals by A.B. Davey 458
Electroproduction education at Cambridge University Engineering Department by D.J. Swinden 242
Elias, T.G.: A new control system for generating sets 656
Elwell, J.R., and Bellamy, J. (see Bellamy) 561
Energy calculation (letter) 294
Energy control (letters) 442, 693
Energy our future by L. Holmes 526
Engineering at school (letter) 148
Engineering courses in the 1980s by J. Brown 20
Engineering design education, industry's responsibility for by Sir Kenneth Corfield 637
Engineering design in education by M.J. French 641
Engineering dimension emphasised at IEE conference by Dennis Moralee 107
Engineering education (letters) 223, 357
Engineering emphasis at BA conference by D. Moralee 797
Engineering programming — an engineer's job 213
Engineering will provide effective solutions 19
Engineering with words by D. Moralee 699
Engineering with words (letter) 859
Engineers and programming (letter) 357
Engineers needed for engineering debates 617
Engineers' pay (letters) 147, 358
Environmental effects of nuclear power by P.J. Jones 450
Ettinger, G.M.: The innumerate technician 634
Europe: a third force in world electronics? by D. Moralee 295
Evaporative cooling of power semiconductors (letter) 119
EVDG conference stresses need for investment in electric-vehicle resources 103

F

Fairley, P.A.: Professionalism and social aspects of engineering — the case for TUC affiliation 649
Finniston and TEC (letter) 359
First with feedback (letter) 148
Fountain, V.: Software softspot (letter) 624
French, M.J.: Engineering design in education 641

G

Gardner, R.P.: A modular approach to high-voltage control-gear design 395
Generating sets, a new control system for by T.G. Elias 656
Gibbon, R.: Overhead line conductors — the prospect for aluminium alloy 234
Gibson, D.T.W.: Engineering at school (letter) 148
Gilbert, D.J.: M.C.S. convertor for printing and process applications 808
Goodale, Brian.: RSRE research is still thriving 113
Goodenough, H.: Efficiency doubts (letter) 294
Goodenough, H.: Energy control (letter) 693
Gordon, J.A.: Recent trends in cryptology 162
Gosling, W.: Civil radio and emergency communication 566
Grant, W.T.: Integrated power supplies for international telecommunication 652
Green, R.D.: Not the first (letter) 357

H

Hadfield, G.: Design Council chooses its top ten 365
Hall, K.S.: The innumerate technician (letter) 795
Hamer, M.P.R., and Hills, M.T.: Telecommunication switching plans (letter) 147
Hammond, P.H., and King, P.J.: A prospect for industrial control 38
Hardware techniques by R.W. Burrows 545
Harmonisation of a.c. motor specifications (letters) 147, 525
Harrington, D.G.: The IEE and Politics (letter) 793
Harris, L.R.F.: System X evolution 552
Hawley, R.: Developments in power engineering 79
Hill, D.W.: Electronics services for a regional health authority 251
Hills, M.T., and Hamer, M.P.R.: Telecommunication switching plans (letter) 147
Hills, R.C.: Radio 3 reception (letters) 625, 859
Hingley, P.D.: Wrong priorities? (letter) 625
Hitchiner, P.J.: Alternative energy (letter) 119
Hodgkinson, J.: Thick-film circuits for high-reliability applications 709
Hodgson, K.G.: Large-scale storage of electrical energy (letter) 359
Hoffmann De Visme, G.: Energy calculation (letter) 294
Holmes, L.: Coal to busbar scheme boosts efficiency 796
Holmes, L.: Conservation given top billing in US energy programme 696
Holmes, L.: Dinorwic a progress report 362
Holmes, L.: Energy our future 526
Holmes, L.: Integration of optoelectronics 463
Holmes, L.: Lithium primary batteries — an expanding technology 658
Holmes, L.: Microelectronics and employment 300
Holmes, L.: Philips Research Laboratories aims at growth 864
Holmes, L.: Microelectronics and motor cars 368
Holmes, L.: Post Office on the point of change 149
Holmes, L.: Practical applications of superconductivity 247
Holmes, L.: Telecom research and development at BT's Martlesham laboratories 799
Holmes, L.: The Microprocessor Application Project at midstream 806
Holmes, L.: Twenty candles for the laser 454
Honey, D.R.: What's on the box? (letter) 223
Hopkinson, J.: Autowagon rides again? (letter) 693
Howard, J.A.: Women in engineering (letter) 624
Howes, M.A.: Business viewdata — more than an information library 576
Hunt, P.G., and Corbishley, P. (see Corbishley) 741
Hyde, J.K.: Energy control (letter) 442

I

IEA-ELECTREX 80 191
Induction heating (letter) 119
Industrial control, a prospect for by P.H. Hammond and P.J. King 38
Industrial news 115, 138, 215, 286, 354, 432, 515, 618, 690, 784, 849
Infinite demand? (letters) 223, 359, 793
Information systems, full integration is the key to successful by S. Jones 437
Instrument into the 1980s by Dennis Moralee 98
Instruments for measuring noise by D. Marsh 173
Integrated power supplies for international telecommunication by W.T. Grant 652
Integration of power semiconductor devices by P. Wetzel 712
Intelligent controls in energy by Sir Hermann Bondi 87
Intelligent memories and the silicon chip by I. Aleksander 324
Into the 1880s by Dennis Moralee 23

J

Jakoubovitch, A.: Induction heating (letter) 119
James, M.H.: 11 kV standby installations (letter) 525
Jarvis, E.A.K.: Evaporative cooling of power semiconductors (letter) 119
Jarvis, R.: Power control — the man/machine interface 401
Jervis, M.W.: Management, systems and technology 255
Johnson, H.A.: Telecommunication switching plans (letter) 294
Jones, P.J.: Environmental effects of nuclear power 450
Jones, S.: Full integration is the key to successful information systems 437

K

Katz, J.: Multiple-processor micro family 310
Kerr, A.A.: Nuclear safety (letter) 625
Kerr, A.N.D.: Staying with us (letter) 223
King, A.C.: Microprocessors in control of robots (letter) 147
King, P.J., and Hammond, P.H.: (See Hammond) 38
Kirk, E.W.G., and Leppard, M.A.: Recent developments in a.c. drive technology 805

L

Large-scale storage of electrical energy (letter) 359
Large-scale storage of electrical energy by J.K. Wright 153
Laser, twenty candles for the by L. Holmes 454
Last refuge? (letter) 359
Laver, M.: Plus ca change.. (letter) 359
Lawrence, E.E.: Engineers and programming (letter) 357
Laxton-Palmer, C.: Radio 3 reception (letter) 224
Lee, E.J.B., and Adam, A.R. (see Adam) 727
Leppard, M.A., and Kirk, E.W.G.: (see Kirk) 805
Lightning protection (letter) 148
Lithium primary batteries — an expanding technology by L. Holmes 658
Live effect again (letter) 693
Lockheed looks at alternative energy by Tony Prins 111
Lonsdale, P.E.: Radio 3 reception (letters) 442, 795

M

Machine-rotor excitation by stator electronics by D. Midgley 812
McMahon, M.D.: Radio 3 reception (letter) 859
Maddison, M.S.: Call handling in System X 541
Maddison, M.S.: Software as an engineering discipline 237
Management in a hostile environment 353
Management needs (letter) 294
Management, systems and technology by M.W. Jervis 255
Mann, A.R.: Nickel-cadmium batteries for standby power systems 661
Mansfield, F.R.: Oliver Heaviside: 1850-1925 (letter) 224
Marsh, D.: Instruments for measuring noise 173
Martin, J.: Why System X? 529
Mason, Sir John.: Computer modelling of the global climate and its changes 158
May, C.A.: Communication 56
M.C.S. convertor for printing and process applications by D.J. Gilbert 808
Mellor, R.S.: Misconceptions on microcomputers (letter) 693

Memory management, an introduction to by D. Stevenson 317
Microelectronics and employment by L. Holmes 300
Microelectronics and motor cars by L. Holmes 368
Microprocessor Application Project at midstream by L. Holmes 866
Microprocessor-controlled p.c.m. test set by W.R. Pearson 816
Microprocessor training and industry's needs by R. Wilson 881
Microprocessors — their impact on the systems designer by R.W. Prowse and P. Van Santen 305
Microprocessors in control of robots (letter) 147
Microprocessors, promoting awareness of industrial applications by F.L. N-Nagy 475
Midgley, D.: Machine-rotor excitation by stator electronics 812
Minto, G.R.: Not a sound (letter) 442
Misconceptions on microcomputers (letter) 693
Moralee, D.: A.T.E. at GEC-Marconi 183
Moralee, D.: Economics of using a.t.e. 176
Moralee, D.: Engineering dimension emphasised at IEE conference 107
Moralee, D.: Engineering emphasis at BA conference 797
Moralee, D.: Engineering with words 699
Moralee, D.: Europe: a third force in world electronics? 295
Moralee, D.: Instrument into the 1980s 98
Moralee, D.: Into the 1980s 23
Moralee, D.: New developments boost satellite challenge 626
Moralee, D.: P.A.B.X.s branch out 559
Moralee, D. C ftware in its engineering context 443
Multimeter measurements (letter) 119
Multiple-processor micro family by J. Katz 310
McCarthy, S.F.: Software softspot (letter) 624

N

Newman, J.R.W.: System X architecture 536
New products 122, 192, 264, 331, 409, 485, 593, 667, 751, 825, 907
Nickel-cadmium batteries for standby power systems by A.R. Mann 661
N-Nagy, F.L.: Promoting awareness of industrial applications of microprocessors 475
Noisy appliances (letter) 224
Not a sound (letter) 442
No trade, free trade or fair trade? 687
Not the half of it! (letter) 625
Not the first (letter) 357
Nuclear safety (letter) 625

O

Oliver Heaviside: 1850-1925 (letter) 224
Optical fibre system, application of an, in underwater service by P. Worthington 468
Optimism persists in Paris 360
Optoelectronics, integration of, by L. Holmes 463
Optoelectronics technology, a review of, — contemporary displays by B. Andrews 465
Overhead line conductors — the prospect for aluminium alloy by R. Gibbon 234

P

P.A.B.X.s branch out by D. Moralee 559
Paterson, J.R.T.: Current trends in h.f. antenna design 579
Pearson, W.R.: Microprocessor-controlled p.c.m. test set 816
Philbrick, S.E.: Selecting cables for fire-risk applications 232
Philips Research Laboratories aims at growth by L. Holmes 864
Photovoltaic generators?, what prospects for by I. Berkovitch 631
Plus ca change... (letter) 359
Post Office on the point of change by L. Holmes 149
Power control — the man/machine interface by R. Jarvis 401
Power economics in state of flux 285
Prentice, H.A.J.: Training of engineers in Japan 327
Preston, H.F., and Dawidziuk, B.M.: (see Dawidziuk) 583
Prins, Tony.: Lockheed looks at alternative energy 111
Prior, R.W.: The dissemination of information in the electricity supply industry 643
Professionalism and social aspects of engineering — the case for independence by S.C. Dunn 647
Professionalism and social aspects of engineering — the case for TUC affiliation by P.A. Fairley 649
Programmable control concepts for industrial drives and mechanical-handling plant by F.D. Shaw 391
Programmable logic arrays by J.T. Proudfoot 883
Protection of cables at risk from exposure to fire by E.W. Crew 229
Proudfoot, J.T.: Programmable logic arrays 883
Prowse, R.W., and Van Santen, P.: Microprocessors — their impact on the systems designer 305
Pye, J.D.: Bat detection 376

Q

Quality assurance of electrical distribution products by M. Coulter 802
Question of priorities 431

R

Radio 3 reception (letters) 224, 442, 625, 795, 859
Rae, D.E.: Last refuge? (letter) 359
Railways — are steam-turbine electrics a viable proposition? by M.C. Duffy 898
Refuge? a last 137
Roberts, D.H.: Electronic component technology in the 1980s 26
Rogerson, S.: British Aerospace top dogs at this year's air show 688
Rogerson, S.: Salford graduates into industry 366
Rowlett, A.: UK battery industry must build to face new energy needs 664
RSRE research is still thriving by Brian Goodale 113

S

Sad resolution (letter) 148
Salford graduates into industry by S. Rogerson 366
Sarstedt, M.G.: Infinite demand? (letter) 223
Satellite challenge, new developments boost by D. Moralee 626
Scanning optical microscope by C.J.R. Sheppard 166
Scarlett, J.A.: Unsoldering p.c.b.s without damage 715
Scroggie, M.G.: First with feedback (letter) 148
Selecting cables for fire-risk applications by S.E. Philbrick 232
Semiconductor devices, limits to the size of by B.L.H. Wilson 704
Shanahan, M.: Finniston and TEC (letter) 359
Shaw, F.D.: Programmable control concepts for industrial drives and mechanical-handling plant 391
Sheldon, J.: Radio 3 reception (letter) 795
Sheppard, C.J.R.: Scanning optical microscope 166
Shepherd, G.T.: Electricity development in China 385
Simmonds, T.G.: Managing the System X development 548
Sinclair, D.: System design with single board microprocessor systems 869
Sir Frederic Williams (letter) 442
Smith, S.F.: A century for TXE4 745
Software as an engineering discipline by M.S. Maddison 237
Software in its engineering context by D. Moralee 443
Software softspot (letter) 624
Soper, S.J.: Lig...ning protection (letter) 148
Spain, S.C.: Noisy appliances (letter) 224
Speake, G.D.: Technology trends in civil radio and emergency communication 571
Speech-band data modems by P.F. Adams 733
Spread-spectrum controvesy (letter) 525
Stafferton, J.: Engineering with words (letter) 859
Standby installations, 11 kV (letter) 525
Standing, P.: Ultrafast computers for data communication 874
Status of engineers (letters) 358, 624
Staying with us (letter) 223
Stevenson, D.: An introduction to memory managemen' 317
Submarine systems and world telecommunication by B.M. Dawidziuk and H.F. Preston 583
Superconductivity, practical applications of by L. Holmes 247
Swinden, D.J.: Electroproduction education at Cambridge University Engineering Department 242
System X architecture by J.R.W. Newman 536
System X, call handling in by M.S. Maddison 541
System X development, managing the by T.G. Simmonds 548
System X evolution by L.R.F. Harris 552
System X, the importance of 528
System X,? why by I. Martin 529
System design with single board microprocessor systems by David Sinclair 869

T

Tanzania/Zanzibar power systems interconnected by submarine cable by P.R. Buick 225
Technical writing — the engineer's masterpiece by A.M. Andrews 471
Technician, the innumerate by G.M. Ettinger 634
Technology in the provinces (letter) 223
Telecom research and development at BT's Martlesham laboratories by L. Holmes 799
Telexcommunication by P. Corbishley and P.G. Hunt 741
Telecommunication networks, future development of by R. Daniel 532
Telecommunication opportunity must not be missed again 513
Telecommunication switching plans (letters) 147, 294
Telecommunication — the way ahead by J.S. Whyte 719
The IEE and Politics (letter) 793
The innumerate technician (letter) 795
The most dangerous profession (letters) 793, 859
Thick-film circuits for high-reliability applications by J. Hodgkinson 709
Thin-film solar cells by E. Don 894
Training of engineers in Japan by H.A.J. Prentice 327
Trier, P.E.: Consumer electronics in the 1980s 47
Tull, R.C.: Status of engineers (letter) 624
TXE4, a century for by S.F. Smith 745

U

Ultrafast computers for data communication by P. Standing 874
Unilateral economic disarmament 783
Unsoldering p.c.b.s, without damage by J.A. Scarlett 715

V

Van Santen, P., and Prowse, R.W. (see Prowse) 305
Viewdata — more than an information library, business by M.A. Howes 576

W

Walters, L.C.: Spread-spectrum controvesy (letter) 525
Ware, F.H.: Technology in the provinces (letter) 223
Wells, R.: Multimeter measurements (letter) 119
Wetzel, P.: Integration of power semiconductor devices 712
What's on the box? (letter) 223
White, E.L.C.: Sir Frederic Williams (letter) 442
Whyte, J.S.: Telecommunication — the way ahead 719
Wigg, J.: Induction heating (lette,) 119
Wilkes, M.V.: Computers into the 1980s 67
Wilson, B.L.H.: Limits to the size of semiconductor devices 704
Wilson, R.: Microprocessor training and industry's needs 881
Women in engineering (letter) 624
Women in engineering — a lesson from America by G.E. Chivers 372
Worthington, P.: Application of an optical fibre system in underwater service 468
Wright, J.K.: Large-scale storage of electrical energy 153
Wrong priorities? (letter) 625

YZ

Yates, V.J.: Design developments in a.c. block contactors 398
Yeomans, K.A.: Engineering education (letter) 357

BOOKS

Aidala, J.B., and Katz, L.: Transients in electric circuits 904
Antenna Standards Committee: IEEE standard test procedures for antennas 749
Antoniou, A.: Digital filters: analysis and design 407
Arden, B.W. (Editor): What can be automated 905
Artwick, B.S.: Microcomputer interfacing 750
Barbe, D.F. (Editor): Topics in applied physics Vol.38: Charge-coupled devices 592
Barna, A.: High speed pulse and digital techniques 665
Beynon, J.D.F., and Lamb, D.R.: Charge coupled devices and their applications 905
Bowron, P., and Stephenson, F.W.: Active filters for communication and instrumentation 262
Boyce, J.C.: Microprocessor and microcomputer basics 330
Bruton, L.T.: RC active circuits 749
Carr, J.J.: Elements of electronic instrumentation and measurement 483
Chappell, A. (Editor): Optoelectronics: theory and practice 330
Clarricoats, P.J.B. (Editor): Progress in optical communication 904
Csaki, F. et al: Power electronics: problems manual 199
Davies, J., and Simpson, P.: Induction heating handbook 665
Debenham, M.J.: Microprocessors — principles and application 330
Dertouzos, M.L., and Moses, J. (Editors): The computer age: a 20 year view 262
Eldridge, F.: Wind machines 481
Fletcher, W.I.: An engineering approach to digital design 480
Freeman, R.L.: Telecommunication system engineering 750
Gething, P.J.D.: Radio direction finding and the resolution of multicomponent wavefields 189
Hardy, J.K.: High-frequency circuit design 120
Hartley, M.G., and Buckley, A.: The challenge of microprocessors 263
Haykin, S. (Editor): Array processing applications to radar 591
Heilbron, J.L.: Electricity in the 17th and 18th centuries: a study of early modern physics 262
Herpy, M.: Analog integrated circuits 483
Howes, M.J., and Morgan, D.V. (Editors): Optical fibre communications 483
IEE Conf. Publ. 173: Low light and thermal imaging 121
IEE Conf. Publ. 175: Computer-aided design and manufacture of electronic components, circuits and systems 120
IEE Conf. Publ. 180: Case studies in advanced signal processing 480
IEE Conf. Publ. 181: Automotive electronics 263
IEE Conf. Publ. 186: Effective use of electricity in buildings 905
Inose, H.: An introduction to digital integrated communications systems 483
Intel Marketing Communications: The 8080/8085 microprocessor book 750
Kantrowitz, P., Kousourou, G., and Zucker, L.: Electronic measurements 120
Koren, Y., and Ben-Uri, J.: Numerical control of machine tools 189
Laithwaite, E., and Freris, L.L.: Electric energy: its generation, transmission and use 823
Landau, Y.D.: Adaptive control: the model reference approach 263
Liao, S.Y.: Microwave devices and circuits 592
Mano, M. Morris.: Digital logic and computer design 121
Marshall, J.E.: Control of time-delay systems 190
Michels, T.: Solar energy utilisation 591
Midwinter, J.E.: Optical fibres for transmission 121
Milnes, A.G.: Semiconductor devices and integrated electronics 665
Mitra, S.K.: An introduction to digital and analog integrated circuits and applications 823
Munro, N. (Editor): Modern approaches to control system design 190
Muroga, S.: Logic design and switching theory 190
Nasar, S.A., and Unnewehr, L.E.: Electromechanics and electric machines 121
Nicholson, H. (Editor): Modelling of dynamical systems Vol.1 823
Petersohn, H.H.: Computer failure and energy to shortages 121
Porat, D.I., and Barna, A.: Introduction to digital techniques 189
Selmon, G.R., and Straughen, A.: Electric machines 749
Shanmugam, K. Sam.: Digital and analog communication systems 481
Shepherd, W., and Zand, P.: Energy flow and power factor in nonsinusoidal circuits 263
Sporleder, F., and Unger, H.G.: Waveguide tapers, transitions and couplers 823
Srinath, M.D., and Rajasekaran, P.K.: An introduction to statistical signal processing with applications 263
Stout, D.F., and Kaufman, M.: Handbook of microcircuit design and application 480
Streitmatter, G.A., and Fiore, V.: Microprocessors: theory and applications 407
Sydenham, P.H.: Measuring instruments: tools of knowledge and control 904
Taylor, D., and Morgan, L.: High level languages for microprocessor projects 749
Third international conference of the Electric Vehicle Development Group: Resources for electric vehicles and their infrastructure 481
Thompson, J. (Editor): Power sources 7: research and development in non-mechanical electrical power sources 190
Thompson, G.H.B.: Physics of semiconductor laser devices 904
Tocci, R.J., and Laskowski, L.P.: Microprocessors and microcomputers: hardware and software 407
Waidelich, W. (Editor): Laser 79 optoelectronics Munich 2/6 July 1979 262
Wilson, A.C.M.: Insulating liquids: their uses, manufacture and properties 481
Wyatt, A.: The nuclear challenge: understanding the nuclear debate 120
Zemel, J.N. (Editor): Nondestructive evaluation of semiconductor materials and devices 591
Books received: 592